

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 37808 Service: DTV Call WLFG Channel: 14 (UHF)

Sign:

File **0000028111**

Number:

ID:

FRN: **0002058089** Date **03/18**

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Living Faith Ministries, Inc. Doing Business As: Living Faith Ministries, Inc.	P.O. Box 1867 Abingdon, VA 24210 United States	+1 (276) 676-3806	mike@livingfaithtv. com	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

[Confidential]	
[Somicerital]	

Preparer Contact Information

Preparer Contact Name and Information

Applicant Address		Phone	Email
Timothy Z Sawyer Technical Consultant T Z Sawyer Technical Consultants	2130 Hutchison Grove Court Suite 100 Falls Church, VA 22043 United States	+1 (703) 848- 2130	tzsawyer@tzsawyer. com

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Please see attached exhibit titled "WLFG Exhibit for Modified Transition Plan (August 2018)".

Transmitters

rs	Section	Question	Response
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	QXD2
	Year	2001
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60.0 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	Existing tx cannot be rechanneled -210 MHz change in frequency. IOT operation not available, manufacturer no longer in business. See attached letter from manufacturer dated January 1, 2017.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Switchgear (industrial 800 amp)	Yes

Transformer (480V)	No
Power	N/A
Rigid Conduit and Wiring	Yes
Size	3 inches
Length	200.0 feet
Other Electrical Service	Yes
Description	Transmitter disconnect service panel
Does the replacement transmitter require HVAC Service?	No
Туре	N/A
Size	N/A
Other Size	N/A
Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Size	N/A
Is an RF Consulting Engineer needed?	N/A
Is a channel 14 Mask Filer needed?	N/A
Is additional field engineering time needed?	N/A
Number of Days	N/A
	Rigid Conduit and Wiring Size Length Other Electrical Service Description Does the replacement transmitter require HVAC Service? Type Size Other Size Does the Transmitter Building require an addition, modification, other leashold improvement? Size Is an RF Consulting Engineer needed? Is a channel 14 Mask Filer needed? Is additional field engineering time needed?

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Channel 14 Cost Not Listed	Additional Engineering
Mask Filter System	See GatesAir Proposal Q-77816
Install Ch 14 filter and Mask	Install Ch 14 filter and transmitter mask filter
Installation and Proof	See GatesAir Proposal Q-77816

Transmitter Building Modification	See GatesAir Proposal Q-75623
Old Transmitter Removal	Remove old transmitter from site
RF Components for Install	RF components and installation for main transmitter
Electrical	See GatesAir Proposal Q-77816
RF Consultant	Provide installation support services and review of associated systems during the installation of the primary transmitter
RF Accessories	See GatesAir Proposal Q-77816

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Not in Stack Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	2050-32BT (1.25)
Year	1998

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Primary (Main) N/A Purchase
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	Full Power Top Mount Not in Stack Horizontal Slotted Coaxial N/A N/A N/A N/A N/A N/A N/A N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	479.0 kW
	Manufacturer	

Model	ATW22H5- HTO12-14H
Year	2018
Justification for New Antenna	EXISTING ANTENNA CAN NOT BE RETUNED - CURRENTLY CH 49 - MOVING TO CH 14, 210 MHZ CHANGE IN FREQ.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Side Mount Not in Stack Horizontal Slotted Coaxial
	Polarization	
	Туре	
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	120.0 kW
	Manufacturer	
	Model	AL120-49- PM
	Year	2018

Justification for New Antenna	Interim
	Antenna
	will be
	necessary if
	expense for
	new tower
	is not
	approved in
	time for
	timely
	construction
	of new
	tower by
	Phase 2
	deadline.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Transmission Line Connectors	Transmission line interior interconnect segments and RF components (couplers /flanges)

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	Owned N/A N/A No n? Yes Rigid 6 1/8
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 feet per run

New Transmission Line

Primary Transmission

seinen	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 feet per run
	Justification for New Transmission Line	NEW LINE SEGMENT LENGTH REQUIRED FOR CHANNEL CHANGE FROM CH 49 (OLD 19-3 /4' SEGMENTS) TO CHANNEL 14 (NEW 20' SEGMENTS)

Description

Other Transmission Line Expenses Not Listed

Primary Other Transmission Line

Transmission Line Bridge	Cost estimated; actual length will determine
	actual cost.

Interim

New Transmission Line

Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Flexible Air
		Diameter	4 inches
		Segment Length	N/A
		Other Segment Length	
		Number of parallel runs	1
		Length	150 feet per
	Justification for New Transmission Line	Transmission line for required interim antenna operation.	

Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Construct New
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 49' 47.3 N-
	Longitude (NAD83)	082° 04' 44.4" W-
	Overall Structure Height	200.00 feet
	Support Structure Height	200.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	4180.00 fee

Structure Type	LTOWER - Lattice Tower
Tower Owner	LIVING FAITH MINISTRIES, INC.
Date Constructed	01/01/1995

Primary Tower

Tower Construction Costs

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	No
	Height	143.10 feet
	Justification for New Tower	Please see attached exhibit titled "WLFG - Exhibit for New Tower Justification (September 2018)"

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Expenses	Cursory Review
RF Engineer Consultant	Proposed tower construction; notification of same
Weather Conditions	Winter weather conditions restricting access and crew working conditions
Soil Conditions	Actual Soil Conditions versus assumed standard soil conditions

Stone and Gravel	Stone and gravel on unimproved driveway for access to tower and transmitter sites during winter weather
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Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	100
	Explanation	CONSULTING SERVICES DURING TRANSITION STATION DOES NOT HAVE RESOURCES ON STAFF
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Professional Services Costs

Outside Other Professional Services Expenses Not Listed

Services Costs	Description
Additional Repack Legal Services Not Otherwise Specified in Form 399	Non-catalog legal services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.

Interim Antenna Considerations	Consulting Engineer Interim Antenna
	Operations Analysis

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
AC Line Conditioners	Electrical Surge Suppressor - for Solid State Transmitter
Land Mobile Mitigation Expenses Engineering Evaluation	Preliminary Estimate of LM Filters/RF Traps /Mitigation Engineering Evaluation
Land Mobile Mitigation Group A Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group A Stations
Land Mobile Mitigation Group B Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group B Stations
Land Mobile Mitigation Group C Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group C Stations
Land Mobile Mitigation Group D Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group D Stations
Land Mobile Mitigation Group E Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group E Stations
Land Mobile Mitigation Group F Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group F Stations
Site Security	Site security service for tower location while construction is underway
Services for land mobile interference identification process	Land Mobile Services

Cost Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-50	\$1,114,828.17	\$1,112,328.17		\$689,031.80	
RF Accessories	\$63,987.22	\$63,987.22	N/A	\$42,551.50	N/A
RF Consultant	\$10,000.00	\$10,000.00	N/A	\$2,250.00	N/A
Electrical	\$9,007.62	\$9,007.62	N/A	\$5,990.06	N/A
RF Components for Install	\$6,000.00	\$6,000.00	N/A	N/A	N/A
Old Transmitter Removal	\$4,500.00	\$4,500.00	N/A	N/A	N/A
Transmitter Building Modification	\$7,866.00	\$7,866.00	N/A	\$7,866.00	N/A
Installation and Proof	\$58,543.75	\$58,543.75	N/A	\$38,931.59	N/A
Install Ch 14 filter and Mask	\$3,500.00	\$3,500.00	N/A	N/A	N/A
Mask Filter System	\$71,421.66	\$71,421.66	N/A	\$37,779.82	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$818,624.12	\$818,624.12	N/A	\$544,385.03	N/A

Total for all	\$2,715,962.68	\$2,635,381.50	N/A	\$1,446,740.46	N/A
Sub-total	\$1,114,828.17	\$1,112,328.17	N/A	\$689,031.80	N/A
			DAYS		
			ON-SITE		
			PROOF 2-		
			AND		
			14 FILTER		
			CHANNEL		
			SPECIAL		
			OF		
			TUNING		
			***FIELD		
			superseded.		
			been		
			line has		
			because		
time, 2 days			and locked		
engineering			adjusted		
field			Estimate		
Additional			Notice:		
Channel 14	\$750.00	\$750.00	***System	\$750.00	N/A
			111101065.		111101065.
			invoices.		invoices.
			attached		attached
			the		the
			incurred as indicated in		incurred as indicated in
Listed			were		were
Cost Not			expenses		expenses
Channel 14	\$8,527.80	\$8,527.80	Additional	\$8,527.80	Additional
Channel 4.4	¢0 507 00	¢0 507 00	۸ مامانه: ا	CO FOZ OO	۸ ماماند: م.م - <u>۱</u>
service panel					
Transmitter disconnect					
Service:					
Electrical					
Other	\$3,500.00	\$3,500.00	N/A	N/A	N/A
Wiring (Cost per foot)					
Conduit and					
3" Rigid	\$10,400.00	\$9,800.00	N/A	\$0.00	N/A
300 amp					
ndustrial					

Components

Actual Information Description	File Name	
RF Accessories		
	Component Description:	RF Accessories for ULXTE-50 Transmitter per
	Amount:	Quote Q-77816 \$21,115.78
	Component Description:	RF Accessories for ULXTE-50 Transmitter per
	Amount:	Quote Q-77816 \$21,435.72
RF Consultant		
	Component Description:	Repack Channel 14 transmission RF system review; RF power calculations for
	Amount:	transmitter sizing. \$2,250.00
Electrical		
	Component Description:	Electrical for ULXTE-50 Transmitter per Quote Q-77816
	Amount:	\$2,972.51
	Component Description:	Electrical for ULXTE-50
	Amount:	Transmitter per Quote Q-77816 \$3,017.55
RF Components for Install	Information not provided.	
Old Transmitter Removal	Information not provided.	

Transmitter Building Modification	Component Description:	Site Survey
	Amount:	\$7,866.00
Installation and Proof		
	Component Description:	Installation and
		Proof for ULXTE-
		50 Transmitter per
		Quote Q-77816
	Amount:	\$19,319.43
	Component Description:	Installation and
		Proof for ULXTE-
		50 Transmitter per
		Quote Q-77816
	Amount:	\$19,612.16
Install Ch 14 filter and Mask	Information not provided.	
Mask Filter System	Oanna ann an Daoanin tiann	Marala Ellera
	Component Description:	Mask Filter
		System for ULXTE- 50 Transmitter per
		Quote Q-77816
		(see change order
		Q-78613)
	Amount:	\$14,210.65
	Component Description:	Mask Filter
	Component Description:	System for ULXTE
		50 Transmitter per
		Quote Q-77816
	Amount:	\$23,569.17

UHF - Liquid Cooled Solid		
State Transmitter 31.7 kW	Component Description:	New ULXTE-50
		Transmitter per
		Quote Q-77816
	Amount:	\$270,145.95
	Component Description:	New ULXTE-50
		Transmitter per
	Amount:	Quote Q-77816
	Amount:	\$274,239.08
Switchgear - industrial 800 amp	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Other Electrical Service: Transmitter disconnect service panel	Information not provided.	

Channel 14 Cost Not Listed

Component Description: Additional cost

information not

listed

Amount: \$4,500.00

Component Description: Additional cost

information not

listed

Amount: \$208.60

Component Description: Additional cost

information not

listed

Amount: \$1,379.50

Component Description: Additional cost

information not

listed

Amount: \$342.10

Component Description: Additional cost

information not

listed

Amount: \$1,127.80

Component Description: Additional cost

information not

listed

Amount: \$969.80

Channel 14 -- Additional field engineering time, 2 days

Component Description: Engineering

consulting services directly related to repack DTV Channel 14 minimum

transmitter power

output

requirements, system loss calculations, land mobile channel filter, and system gains worksheet.

Amount: \$750.00

Cost Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost
Interim Antenna AL120-49-PM	\$121,130.00	\$116,400.00		\$0.00	
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Transmission Line Connectors	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Primary Antenna ATW22H5- HTO12-14H	\$266,030.00	\$149,986.00		\$65,943.00	
UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$131,886.00	N/A	\$65,943.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

\$12,300.00	\$11,700.00	N/A	N/A	N/A
\$387,160.00	\$266,386.00	N/A	\$65,943.00	N/A
\$2,715,962.68	\$2,635,381.50	N/A	\$1,446,740.46	N/A
	\$387,160.00	\$387,160.00 \$266,386.00	\$387,160.00 \$266,386.00 N/A	\$387,160.00 \$266,386.00 N/A \$65,943.00

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Sweep test of existing antenna	Information not provided.	
Transmission Line Connectors	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	Component Description:	ERI Top-Mount Antenna ATW22H5- HTO12-14H
	Amount:	\$65,943.00
Sweep test of existing antenna	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	

Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$11,100.00	\$10,500.00		\$0.00	
Flexible Air Transmission Line - dielectric, 4"	\$11,100.00	\$10,500.00	N/A	N/A	N/A
Primary Transmission Line	\$75,500.00	\$73,000.00		\$21,896.30	
Transmission Line Bridge	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$50,500.00	\$48,000.00	N/A	\$21,896.30	N/A
Sub-total	\$86,600.00	\$83,500.00	N/A	\$21,896.30	N/A
Total for all systems	\$2,715,962.68	\$2,635,381.50	N/A	\$1,446,740.46	N/A

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 4"	Information not provided.	
Transmission Line Bridge	Information not provided.	
Rigid Transmission Line - copper, 6 1/8"	Component Description: Amount:	Transmission Line System \$21,896.30

Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower LTOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$660,843.16	\$658,543.16		\$522,249.34	
RF Engineer Consultant	\$2,500.00	\$2,500.00	N/A	N/A	N/A
New tower	\$512,673.75	\$512,673.75	N/A	\$512,673.74	N/A
Short Tower (less than 500')	\$84,200.00	\$81,900.00	N/A	N/A	N/A
Soil Conditions	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Weather Conditions	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Stone and Gravel	\$8,829.41	\$8,829.41	N/A	\$6,935.60	N/A
Tower Expenses	\$2,640.00	\$2,640.00	N/A	\$2,640.00	N/A
Sub-total	\$660,843.16	\$658,543.16	N/A	\$522,249.34	N/A
Total for all systems	\$2,715,962.68	\$2,635,381.50	N/A	\$1,446,740.46	N/A

Actual Information Description	File Name
RF Engineer Consultant	Information not provided.

New tower		
	Component Description:	Custom Tower and
		Foundation and
		Tower Installation
	Amount:	\$256,336.87
	Component Description:	Custom Tower and
		Foundation and
		Tower Installation
	Amount:	\$256,336.87
Short Tower (less than 500')	Information not provided.	
Soil Conditions	Information not provided.	
Weather Conditions	Information not provided.	
Stone and Gravel		
	Component Description:	Furnish and deliver
		#1 stone and
		Crusher Run stone
	Amount:	\$6,935.60
Tower Expenses		
	Component Description:	Review materials
		regarding existing
		tower; analyze
		applicable tower
		study requirement
		to known tower
		characteristics;
		draft analysis for client
		CIICIIL

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$103,133.45	\$154,131.27		\$131,503.92	
Project management of the transition	\$15,800.00	\$43,049.92	Additional expenses were incurred as indicated in the attached invoices.	\$43,049.92	Additional expenses were incurred as indicated in the attached invoices.
Interim Antenna Considerations	\$5,000.00	\$5,000.00	N/A	\$3,581.25	N/A
Additional Repack Legal Services Not Otherwise Specified in Form 399	\$33,203. 4 5	\$33,203.45	Additional expenses were incurred as indicated in the attached invoices.	\$33,203.45	Additional expenses were incurred as indicated in the attached invoices.
RF Exposure Measurements	\$21,050.00	\$10,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,541.40	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$3,000.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$39,127.90	Additional expenses were incurred as indicated in the attached invoices.	\$39,127.90	Additional expenses were incurred as indicated in the attached invoices.

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$7,000.00	N/A
Sub-total	\$103,133.45	\$154,131.27	N/A	\$131,503.92	N/A
Total for all systems	\$2,715,962.68	\$2,635,381.50	N/A	\$1,446,740.46	N/A

Components		
Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Project Management of Transition \$337.50
	Component Description:	Project Management of Transition
	Amount:	\$625.00
	Component Description:	Project Management of Transition
	Amount:	\$2,776.75
	Component Description:	Project Management of Transition
	Amount:	\$7,848.15
	Component Description:	Project Management of Transition
	Amount:	\$112.50

Component Description: Project

Management of

Transition

Amount: \$312.50

Component Description: Project

Management of

Transition

Amount: \$450.00

Component Description: Project

Management of

Transition

Amount: \$6,090.00

Component Description: Project

Management of

Transition

Amount: \$3,926.60

Component Description: Project

Management of

Transition

Amount: \$8,167.85

Component Description: Project

Management of

Transition

Amount: \$5,883.07

Component Description: Project

Management of

Transition

Amount: \$4,495.00

Component Description: Project status,

tower analysis, vendor selection

Amount: \$2,025.00

Interim Antenna Considerations

Component Description: Design parameters

and antenna mounting elevations optimization of interim antenna

Amount: \$1,631.25

Component Description: Interim Antenna

operation review of possible reduced power operation; considerations with regards to tower

loading.

Amount: \$1,950.00

Additional Repack Legal Services Not Otherwise Specified in Form 399

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees.

\$518.50

Component Description: Non-Catalog Legal

Amount:

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$1,501.90

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$1,106.25

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,441.60

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,128.80

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$1,387.40

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$114.20

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$1,711.70

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,205.30

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees.

Amount: \$940.30

Component Description:	Non-Catalog Legal
------------------------	-------------------

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$581.00

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$4,174.80

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,391.70

RF Exposure Information not provided.

Measurements

Attorney Fees - Prepare
and File request for Special
Temporary Authorization

Information not provided.

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Attorney Fees - Prepare and File FCC Form 2100 CP.
	Amount:	\$2,367.80
	Component Description:	Attorney Fees - Prepare and File FCC Form 2100 CP.
	Amount:	\$173.60
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare engineering section of FCC Form 2100 CP Application
	Amount:	\$3,000.00
Prepare and or review reimbursement form	Component Description:	Prepare and or
		review reimbursement form.
	Amount:	\$2,334.90
	Component Description:	Prepare and or review reimbursement form
		reimbursement form

Component Description: Prepare and or

review

reimbursement form

Amount: \$14,561.80

Component Description: Prepare and or

review

reimbursement

form.

Amount: \$1,133.70

Component Description: Prepare and or

review

reimbursement form

Amount: \$6,946.60

Component Description: Prepare and or

review

reimbursement form

Amount: \$375.00

Component Description: Prepare and or

review

reimbursement form

Amount: \$5,121.40

Component Description: Prepare and or

review

reimbursement form

Amount: \$354.70

Component Description: Prepare and or

review

reimbursement

form.

Amount: \$2,121.40

Component Description: Prepare budget for

FCC Form 399

including

reimbursement for expenses including vendor review and

technical justification.

Amount: \$2,500.00

Component Description: Prepare and or

review

reimbursement form

Amount: \$1,414.60

Component Description: Prepare and or

review

reimbursement form

Amount: \$1,907.80

Perform engineering study for new channel assignment and antenna development

Component Description: Perform

engineering digital channel study for new channel assignment and

antenna

development for selected channel.

Amount: \$7,000.00

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Other Expenses	\$279,197.90	\$278,592.90		\$16,116.10	
Services for land mobile interference identification process	\$6,507.90	\$6,507.90	N/A	\$6,507.90	Additional expenses were incurred as indicated in the attached invoices.
Site Security	\$8,500.00	\$8,500.00	N/A	N/A	N/A
Land Mobile Mitigation Group F Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group B Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Non-zoning permits	\$2,500.00	\$2,500.00	LOCAL ELECTRICAL PERMITS AND DRAWINGS	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$20,000.00	\$20,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A

Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	N/A	\$119.60	N/A
AC Line Conditioners	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Land Mobile Mitigation Expenses Engineering Evaluation	\$25,000.00	\$25,000.00	Please see attachment.	\$5,662.50	N/A
Land Mobile Mitigation Group A Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group C Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group D Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group E Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,826.10	N/A
Sub-total	\$279,197.90	\$278,592.90	N/A	\$16,116.10	N/A
Total for all systems	\$2,715,962.68	\$2,635,381.50	N/A	\$1,446,740.46	N/A

Actual Information Description	File Name	
Services for land mobile interference identification process	Component Description: Amount:	Land Mobile Services \$223.90
	Component Description: Amount:	Land Mobile Web Site Implementation \$4,700.00
	Component Description: Amount:	Land Mobile Services \$1,584.00
Site Security	Information not provided.	
Land Mobile Mitigation Group F Stations	Information not provided.	
Land Mobile Mitigation Group B Stations	Information not provided.	

Non-zoning permits	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	MVPD Notification of Channel Change \$119.60
AC Line Conditioners	Information not provided.	
Land Mobile Mitigation Expenses Engineering Evaluation	Component Description:	Channel 14 Land Mobile adjacent filter protection research.
	Amount:	\$1,050.00
	Component Description:	Land Mobile and Mask Filter design review
	Amount:	\$4,612.50
Land Mobile Mitigation Group A Stations	Information not provided.	
Land Mobile Mitigation Group C Stations	Information not provided.	
Land Mobile Mitigation Group D Stations	Information not provided.	
Land Mobile Mitigation Group E Stations	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
4		

FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification Mailing \$2,950.00
	Component Description: Amount:	DTV Medical Facility Notification \$342.10
	Component Description: Amount:	DTV Medical Facility Notification \$534.00

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,715,962.68	\$2,635,381.50	\$1,446,740.46

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
 Person signing
 below certifies that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Michael Smith President

03/18/2019

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Michael Smith President

03/18/2019

Attachments